

## **ABSTRACT**

A method and apparatus for determining a color and brightness of an LED includes a sensor having a plurality of filters arranged in a matrix and an output probe connected to the sensor, the output probe providing a color output and a brightness output in a single signal. The sensor may further include an input probe connected to the sensor providing power and a ground probe connected to the sensor providing a grounded connection to the sensor. The plurality of filters in the sensor are preferably configured in a matrix array of color receptors having different colors.